

Claims

1. A method of storing image data and displaying images based on the stored image data, comprising:

5 dividing an image into a plurality of image data blocks;
 compressing each of the image data blocks separately;
 storing the compressed image blocks in a data storage means;

10 selecting at least one of the image data blocks to be
 fetched from the data storage means;

 fetching said selected at least one image data block from the data storage means;

 decompressing said at least one fetched image data block;
 and

15 displaying an image based on image data included in the decompressed at least one image data block.

2. A method as claimed in claim 1, comprising adjusting the size of the image area to be displayed by means of said
 20 selection of at least one image data block.

3. A method as claimed in claim 1, wherein the initial compressed data remains substantially unchanged during the display procedures.

25 4. A method as claimed in claim 1, comprising the steps of displaying a preview of the stored image and selecting the image data blocks based on said preview.

30 5. A method as claimed in claim 1, wherein the image data is decompressed before the selection of at least one image data block to be fetched.

6. A method as claimed in claim 1, wherein the image data blocks are selected based on a suggestion by a selection software run on a controller of a display device.

5

7. A method as claimed in claim 1, wherein each of the image data blocks is provided with an identifier and the selection and fetching of the blocks is based on said block identifiers.

10

8. A method as claimed in claim 1, wherein the image data blocks are stored in the same order as they are positioned in the original image.

15

9. A method as claimed in claim 1, wherein said compressed image data blocks are stored in an image data field of an image data storage unit and information associated with the selection of image data blocks is stored in another field of the image data storage unit, wherein at least one block is selected based on said information.

20

10. A method as claimed in claim 9, wherein said other field comprises a comment field.

25

11. A method as claimed in claim 9, wherein the most recent information associated with the selection of the image data blocks is stored in the said other field.

30

12. A method as claimed in claim 1, wherein the selected at least one block is copied to a new image data file from the compressed image data blocks.

13. A method as claimed in claim 12, wherein the at least one block is stored in an image data field of the image data file.

14. A method as claimed in claim 1, wherein the image data is
5 stored in a lossy format.

15. A method as claimed in claim 14, wherein the image data storage means comprises a JPEG file or similar.

10 16. A method as claimed in claim 1, wherein the image is displayed on a display screen of a portable display device.

17. A method as claimed in claim 16, wherein the image data is transmitted to the display device over a wireless
15 interface.

18. A display device for displaying images based on image data, wherein image data associated with an image has been divided into a plurality of image data blocks before being
20 stored in a compressed format in an image data storage means, the display device comprising:

selection means for selecting at least one of the image data blocks to be fetched from the image data storage means;

25 fetching means for fetching said selected at least one image data block from the data storage means;

decompressing means for decompressing said at least one fetched image data block; and

display means for displaying an image based on image data included in the fetched at least one image data block.

30 19. A display device as claimed in claim 18, wherein the selection means are adapted to adjust the boundary of the

image to be displayed by means of selecting appropriate image data blocks.

20. A display device as claimed in claim 18 being arranged to
5 display a preview of the stored image, wherein the selection means are operated based on said preview.

21. A display device as claimed in claim 18, wherein the
10 selection means comprise a set of instructions adapted to produce a suggestion regarding the blocks to be selected.

22. A display device as claimed in claim 18, wherein each of
15 the image data blocks is provided with an identifier and the selection and fetching of the blocks is based on said block identifiers.

23. A display device as claimed in claim 18, wherein said
20 compressed image data blocks are stored in an image data field of an image data storage unit and information associated with the selection of image data blocks is stored in another field of the image data storage unit.

24. A display device as claimed in claim 18, wherein the
25 image data is stored in a lossy format.

25. A display device as claimed in claim 18, wherein the
30 arrangement is such that the changes in the image to be displayed do not affect the image data stored in the data unit.

26. A display device as claimed in claim 18, comprising a portable device.

27. A display device as claimed in claim 18, comprising a mobile station.

5 28. A display device as claimed in claim 18, comprising a digital camera.